

District of Columbia

Fire and Emergency Medical Services Department



FY 2018 EMS CQI Patient Case Review Measures

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District of Columbia Fire and EMS Department
 FY 2018 EMS CQI Case Review (Cardiac Arrest Patients)

Cardiac Arrest (FY 2018) Measure	OCT 2017	NOV 2017	DEC 2017	JAN 2018	FEB 2018	MAR 2018	APR 2018	MAY 2018	JUN 2018	JUL 2018	AUG 2018	SEP 2018	FYE 2018
Number of Identified Cases Reviewed	65	53	73	82	54	68	62	63	58	68	59	66	771
Appropriate Incident Scene Resuscitation Time				70	50	66	57	50	50	56	58	65	522
ETT or King Airway Used and Confirmed	50	45	61	69	45	53	49	56	48	59	52	62	649
IO or IV Line Placed	64	52	73	81	53	68	62	62	57	68	59	66	765
High Quality CPR or Lucas Device Used	51	44	63	81	54	68	62	63	57	64	52	65	724
ACLS Drugs Used Following FEMS Protocol	63	51	73	72	53	66	56	55	56	65	59	66	735
% Appropriate Incident Scene Time	0%	0%	0%	85%	93%	97%	92%	79%	86%	82%	98%	98%	90%
% ETT or King Airway Used and Confirmed	77%	85%	84%	84%	83%	78%	79%	89%	83%	87%	88%	94%	84%
% IO or IV Line Placed	98%	98%	100%	99%	98%	100%	100%	98%	98%	100%	100%	100%	99%
% High Quality CPR or Lucas Device	78%	83%	86%	99%	100%	100%	100%	100%	98%	94%	88%	98%	94%
% ACLS Drugs Used Following FEMS Protocol	97%	96%	100%	88%	98%	97%	90%	87%	97%	96%	100%	100%	95%
Number of Required Elements	260	212	292	410	270	340	310	315	290	340	295	330	3,664
Number of Completed Required Elements	228	192	270	373	255	321	286	286	268	312	280	324	3,395
% Completed Required Elements	88%	91%	92%	91%	94%	94%	92%	91%	92%	92%	95%	98%	93%

Cardiac Arrest (FY 2018) Measure	Q1 FY 2018	Q2 FY 2018	Q3 FY 2018	Q4 FY 2018	FYE 2018
Number of Identified Cases Reviewed	191	204	183	193	771
Appropriate Incident Scene Resuscitation Time	0	186	157	179	522
ETT or King Airway Used and Confirmed	156	167	153	173	649
IO or IV Line Placed	189	202	181	193	765
High Quality CPR or Lucas Device Used	158	203	182	181	724
ACLS Drugs Used Following FEMS Protocol	187	191	167	190	735
% Appropriate Incident Scene Time	0%	91%	86%	93%	90%
% ETT or King Airway Used and Confirmed	82%	82%	84%	90%	84%
% IO or IV Line Placed	99%	99%	99%	100%	99%
% High Quality CPR or Lucas Device	83%	100%	99%	94%	94%
% ACLS Drugs Used Following FEMS Protocol	98%	94%	91%	98%	95%
Number of Required Elements	764	1,020	915	965	3,664
Number of Completed Required Elements	690	949	840	916	3,395
% Completed Required Elements	90%	93%	92%	95%	93%

District of Columbia Fire and EMS Department
 FY 2018 EMS CQI Case Review (STEMI Patients)

STEMI (FY 2018) Measure	OCT 2017	NOV 2017	DEC 2017	JAN 2018	FEB 2018	MAR 2018	APR 2018	MAY 2018	JUN 2018	JUL 2018	AUG 2018	SEP 2018	FYE 2018
Number of Identified Cases Reviewed	21	13	12	20	20	16	9	16	15	17	19	16	194
Aspirin Appropriately Administered	21	13	12	20	20	16	9	16	15	17	19	16	194
12 Lead EKG Completed	21	13	12	20	20	16	9	16	15	17	19	16	194
Patient Transport to STEMI Center	21	13	12	20	20	16	9	16	15	17	19	16	194
% Aspirin Appropriately Administered	100%												
% 12 Lead EKG Completed	100%												
% Patient Transport to STEMI Center	100%												
Number of Required Elements	63	39	36	60	60	48	27	48	45	51	57	48	582
Number of Completed Required Elements	63	39	36	60	60	48	27	48	45	51	57	48	582
% Completed Required Elements	100%												

STEMI (FY 2018) Measure	Q1 FY 2018	Q2 FY 2018	Q3 FY 2018	Q4 FY 2018	FYE 2018
Number of Identified Cases Reviewed	46	56	40	52	194
Aspirin Appropriately Administered	46	56	40	52	194
12 Lead EKG Completed	46	56	40	52	194
Patient Transport to STEMI Center	46	56	40	52	194
% Aspirin Appropriately Administered	100%	100%	100%	100%	100%
% 12 Lead EKG Completed	100%	100%	100%	100%	100%
% Patient Transport to STEMI Center	100%	100%	100%	100%	100%
Number of Required Elements	138	168	120	156	582
Number of Completed Required Elements	138	168	120	156	582
% Completed Required Elements	100%	100%	100%	100%	100%

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FY 2018 EMS CQI Case Review (Stroke Patients)

Stroke (FY 2018) Measure	OCT 2017	NOV 2017	DEC 2017	JAN 2018	FEB 2018	MAR 2018	APR 2018	MAY 2018	JUN 2018	JUL 2018	AUG 2018	SEP 2018	FYE 2018
Number of Identified Cases Reviewed	55	53	53	59	49	45	48	54	40	57	39	43	595
Stroke Screening Exam Completed	55	53	53	59	49	45	48	54	40	57	38	40	591
BGL Obtained and Recorded	55	53	53	59	48	45	48	54	40	56	33	39	583
Patient Transport to Stroke Center	55	53	53	59	49	45	48	52	40	57	39	43	593
% Stroke Screening Completed	100%	97%	93%	99%									
% BGL Obtained and Recorded	100%	100%	100%	100%	98%	100%	100%	100%	100%	98%	85%	91%	98%
% Patient Transport to Stroke Center	100%	96%	100%	100%	100%	100%	100%						
Number of Required Elements	165	159	159	177	147	135	144	162	120	171	117	129	1,785
Number of Completed Required Elements	165	159	159	177	146	135	144	160	120	170	110	122	1,767
% Completed Required Elements	100%	100%	100%	100%	99%	100%	100%	99%	100%	99%	94%	95%	99%

Stroke (FY 2018) Measure	Q1 FY 2018	Q2 FY 2018	Q3 FY 2018	Q4 FY 2018	FYE 2018
Number of Identified Cases Reviewed	161	153	142	139	595
Stroke Screening Exam Completed	161	153	142	135	591
BGL Obtained and Recorded	161	152	142	128	583
Patient Transport to Stroke Center	161	153	140	139	593
% Stroke Screening Completed	100%	100%	100%	97%	99%
% BGL Obtained and Recorded	100%	99%	100%	92%	98%
% Patient Transport to Stroke Center	100%	100%	99%	100%	100%
Number of Required Elements	483	459	426	417	1,785
Number of Completed Required Elements	483	458	424	402	1,767
% Completed Required Elements	100%	100%	100%	96%	99%

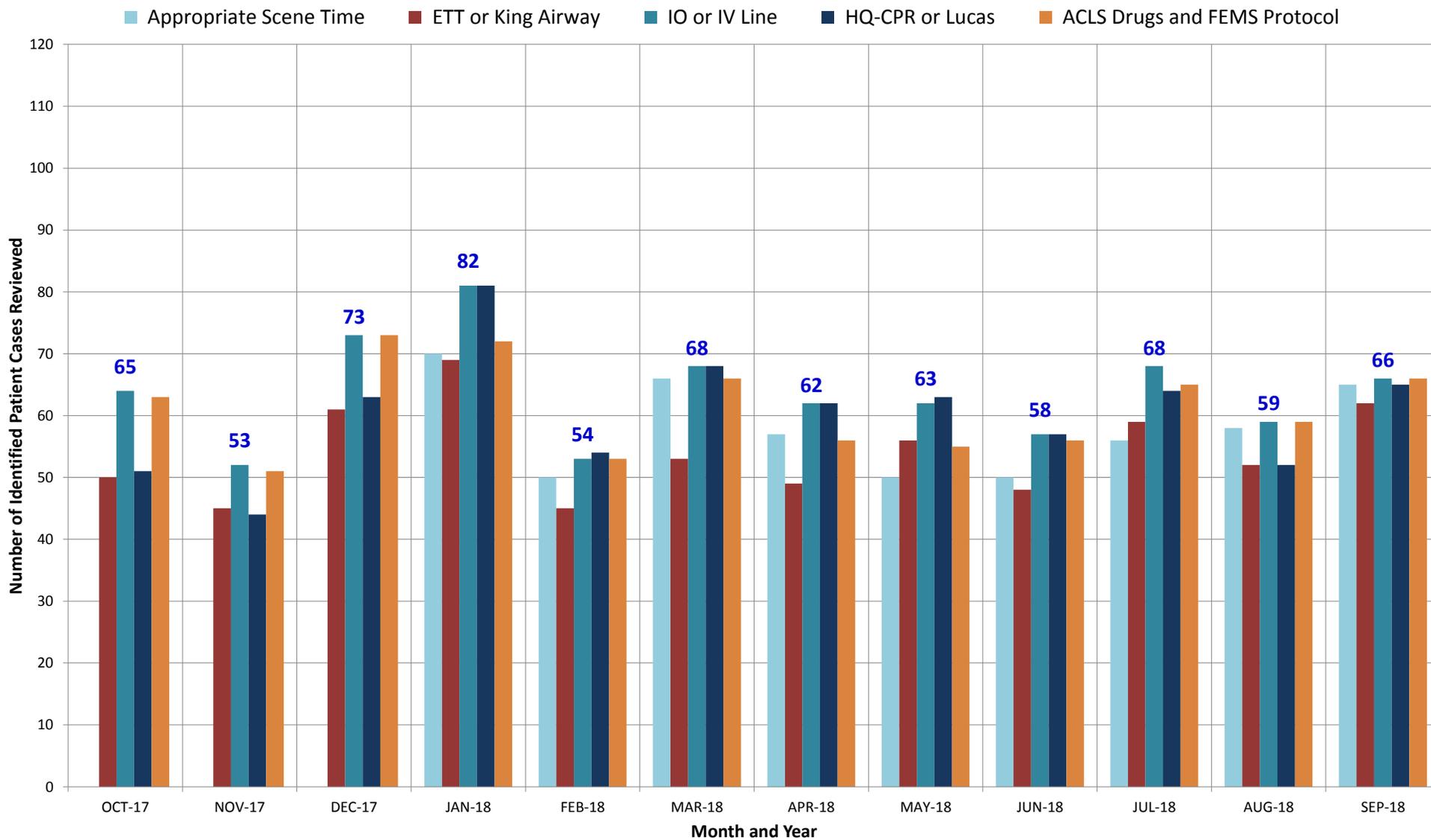
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 FY 2018 EMS CQI Case Review (Trauma Patients)

Trauma (FY 2018) Measure	OCT 2017	NOV 2017	DEC 2017	JAN 2018	FEB 2018	MAR 2018	APR 2018	MAY 2018	JUN 2018	JUL 2018	AUG 2018	SEP 2018	FYE 2018
Number of Identified Cases Reviewed	32	38	33	32	25	37	32	44	35	46	29	37	420
Primary Trauma Assessment Exam Completed	32	38	33	32	25	37	32	44	35	46	29	37	420
Appropriate Incident Scene Time for Case	23	20	9	25	8	19	15	18	16	31	16	15	215
Patient Transport to Trauma Center	32	38	33	32	25	37	32	44	35	46	29	37	420
% Trauma Assessment Completed	100%												
% Appropriate Incident Scene Time	72%	53%	27%	78%	32%	51%	47%	41%	46%	67%	55%	41%	51%
% Patient Transport to Trauma Center	100%												
Number of Required Elements	96	114	99	96	75	111	96	132	105	138	87	111	1,260
Number of Completed Required Elements	87	96	75	89	58	93	79	106	86	123	74	89	1,055
% Completed Required Elements	91%	84%	76%	93%	77%	84%	82%	80%	82%	89%	85%	80%	84%

Trauma (FY 2018) Measure	Q1 FY 2018	Q2 FY 2018	Q3 FY 2018	Q4 FY 2018	FYE 2018
Number of Identified Cases Reviewed	103	94	111	112	420
Primary Trauma Assessment Exam Completed	103	94	111	112	420
Appropriate Incident Scene Time for Case	52	52	49	62	215
Patient Transport to Trauma Center	103	94	111	112	420
% Trauma Assessment Completed	100%	100%	100%	100%	100%
% Appropriate Incident Scene Time	50%	55%	44%	55%	51%
% Patient Transport to Trauma Center	100%	100%	100%	100%	100%
Number of Required Elements	309	282	333	336	1,260
Number of Completed Required Elements	258	240	271	286	1,055
% Completed Required Elements	83%	85%	81%	85%	84%

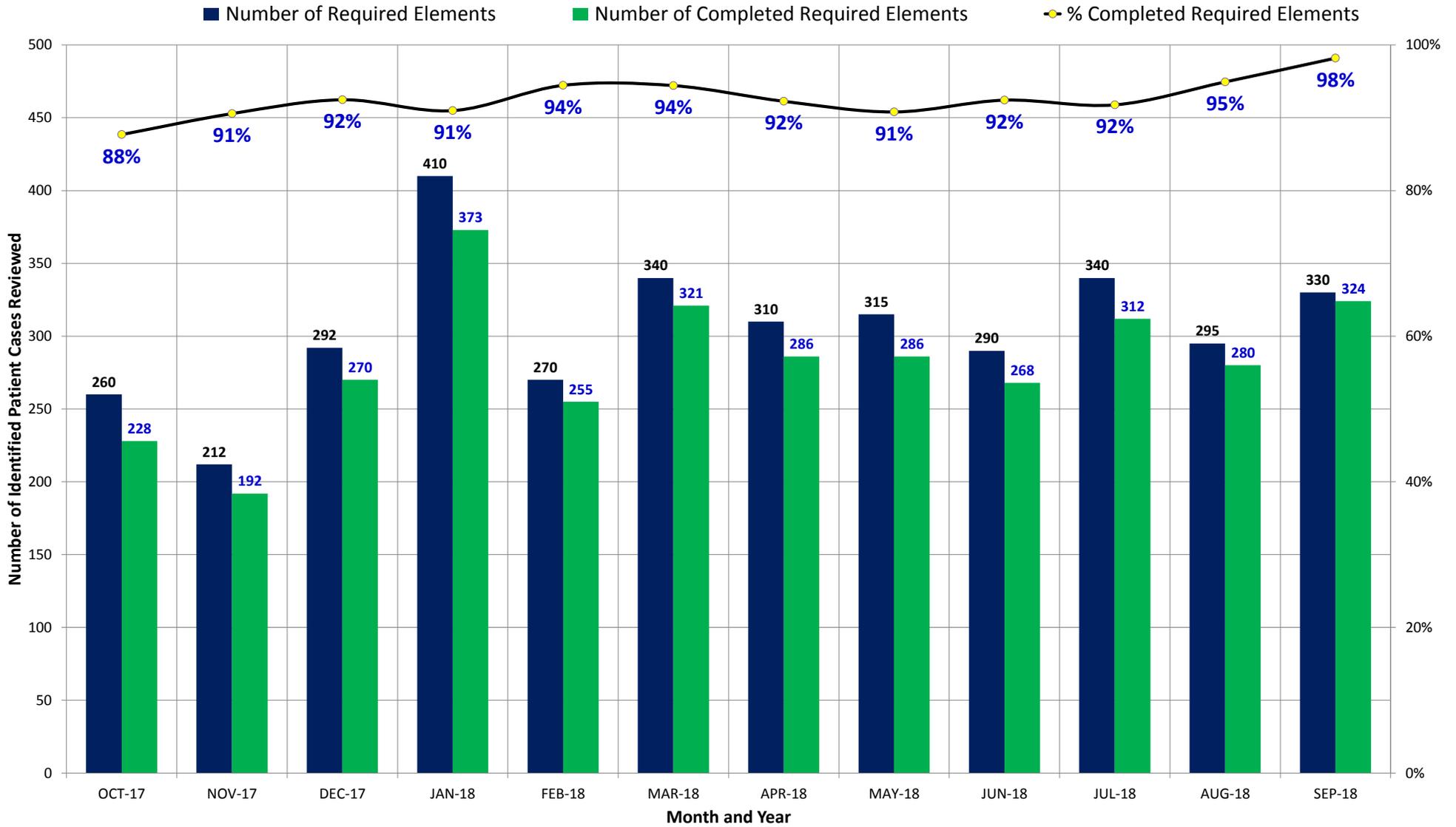
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EMS CQI Case Review: Cardiac Arrest Patients (Element Completion Counts)



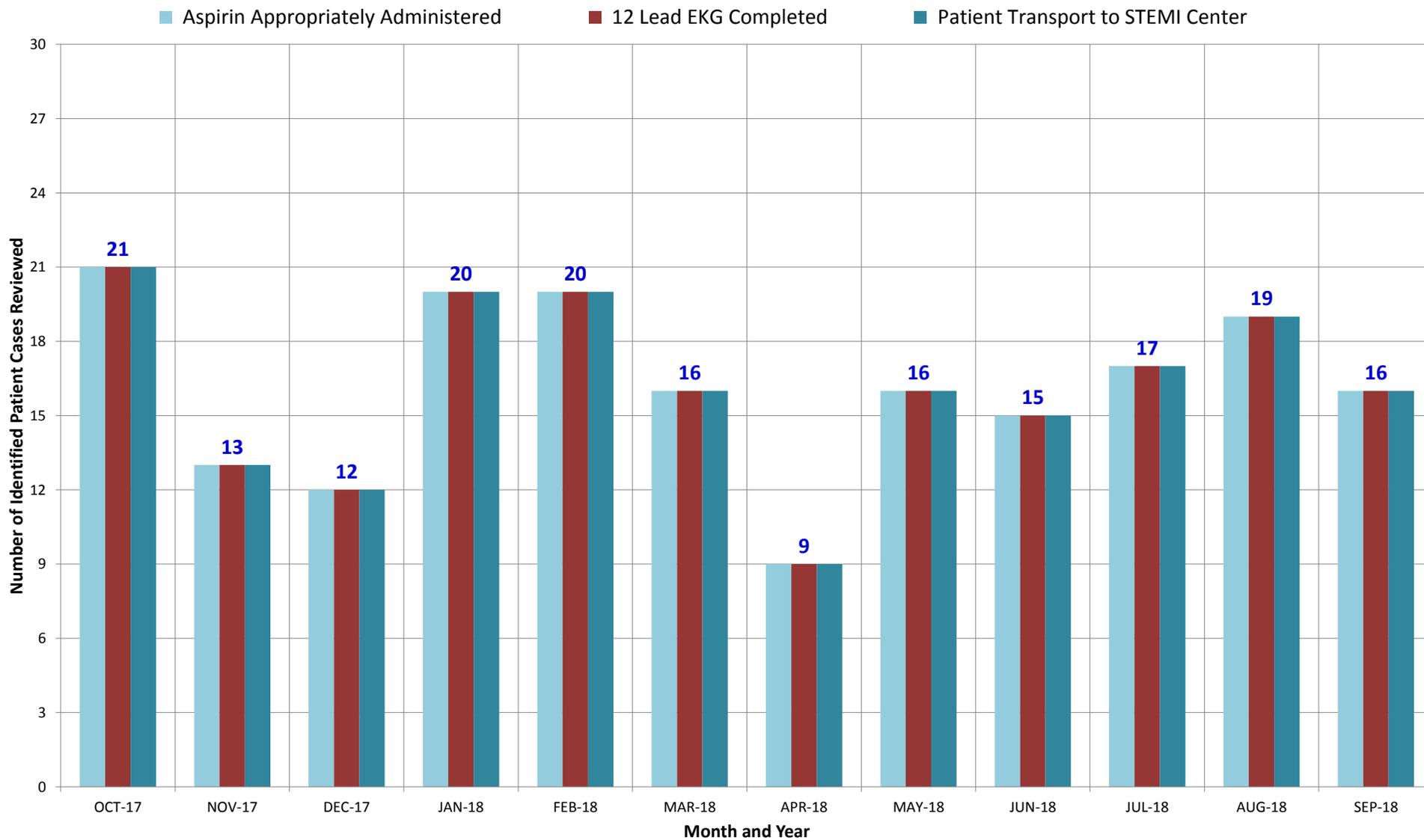
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EMS CQI Case Review: **Cardiac Arrest** Patients (Element Completion Percentages)



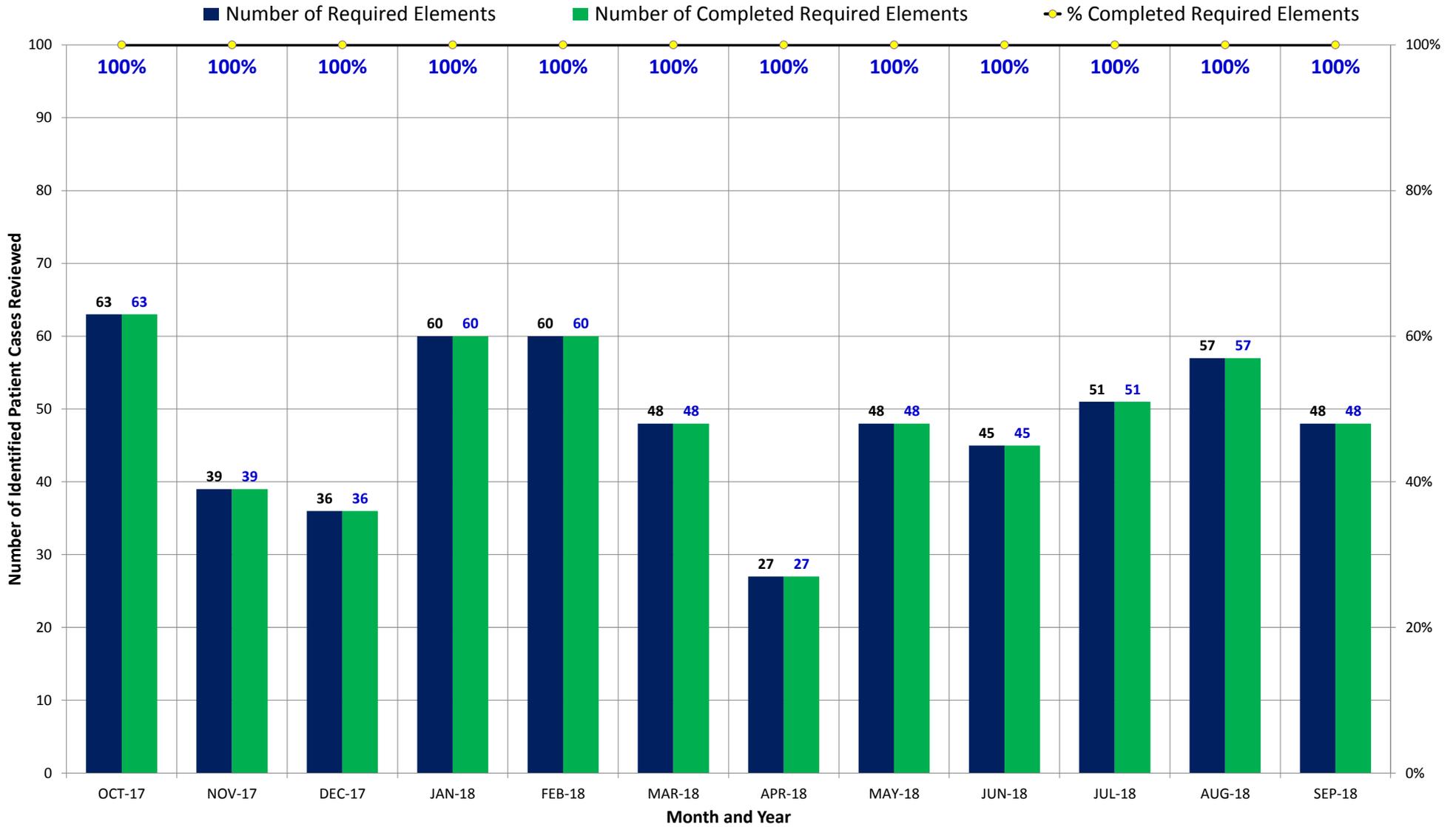
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EMS CQI Case Review: STEMI Patients (Element Completion Counts)



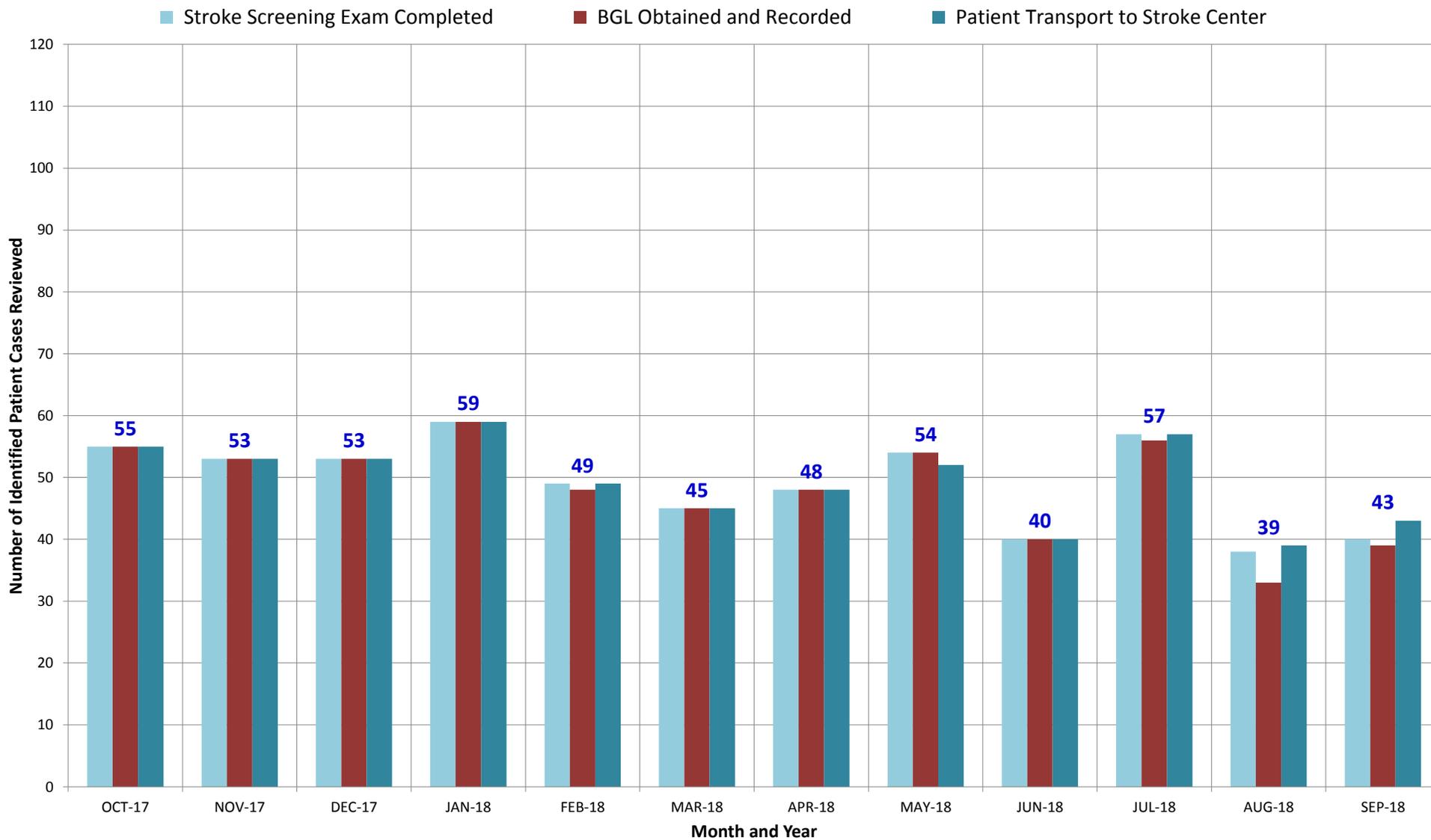
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EMS CQI Case Review: STEMI Patients (Element Completion Percentages)



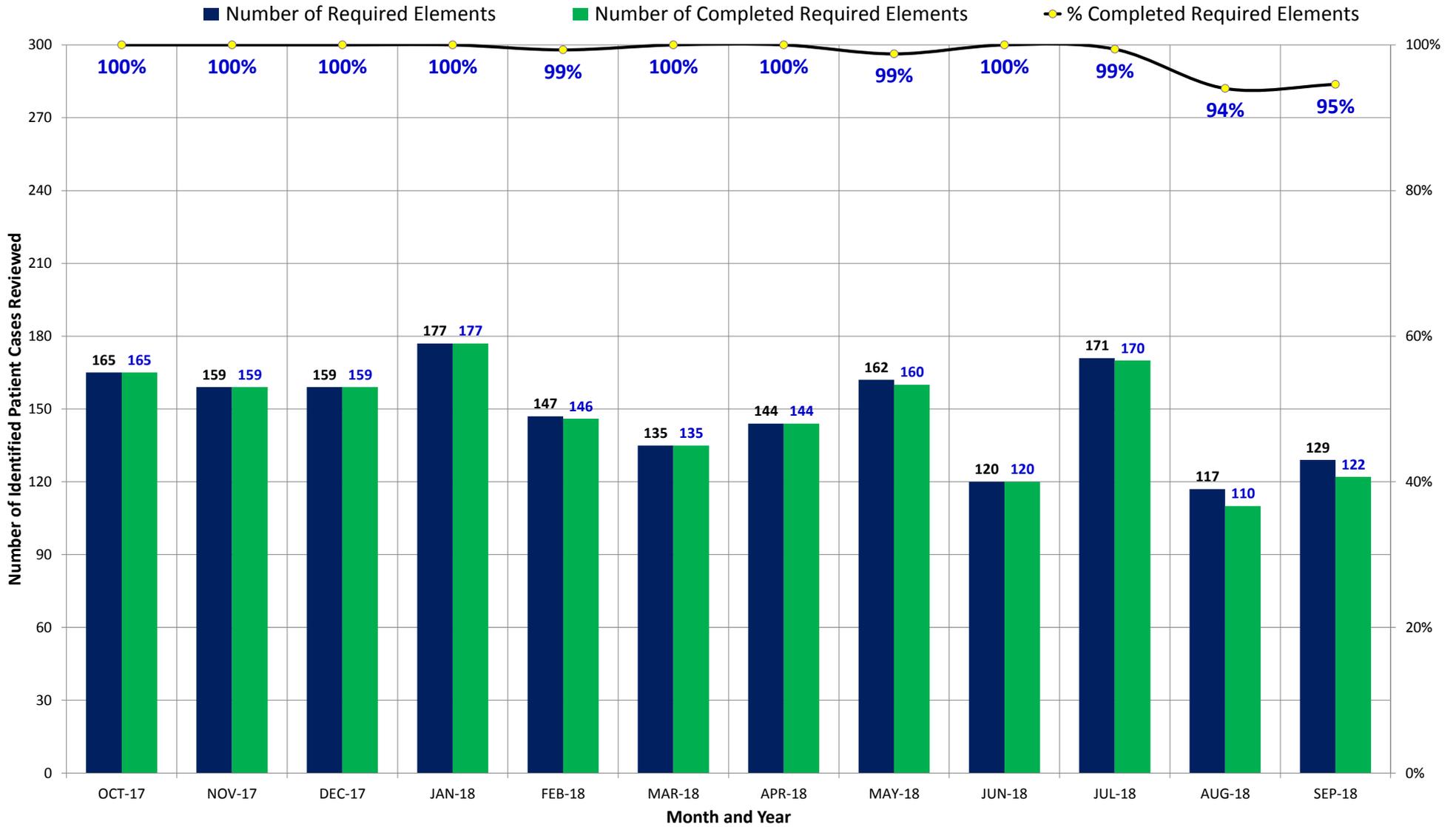
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EMS CQI Case Review: **STROKE** Patients (Element Completion Counts)



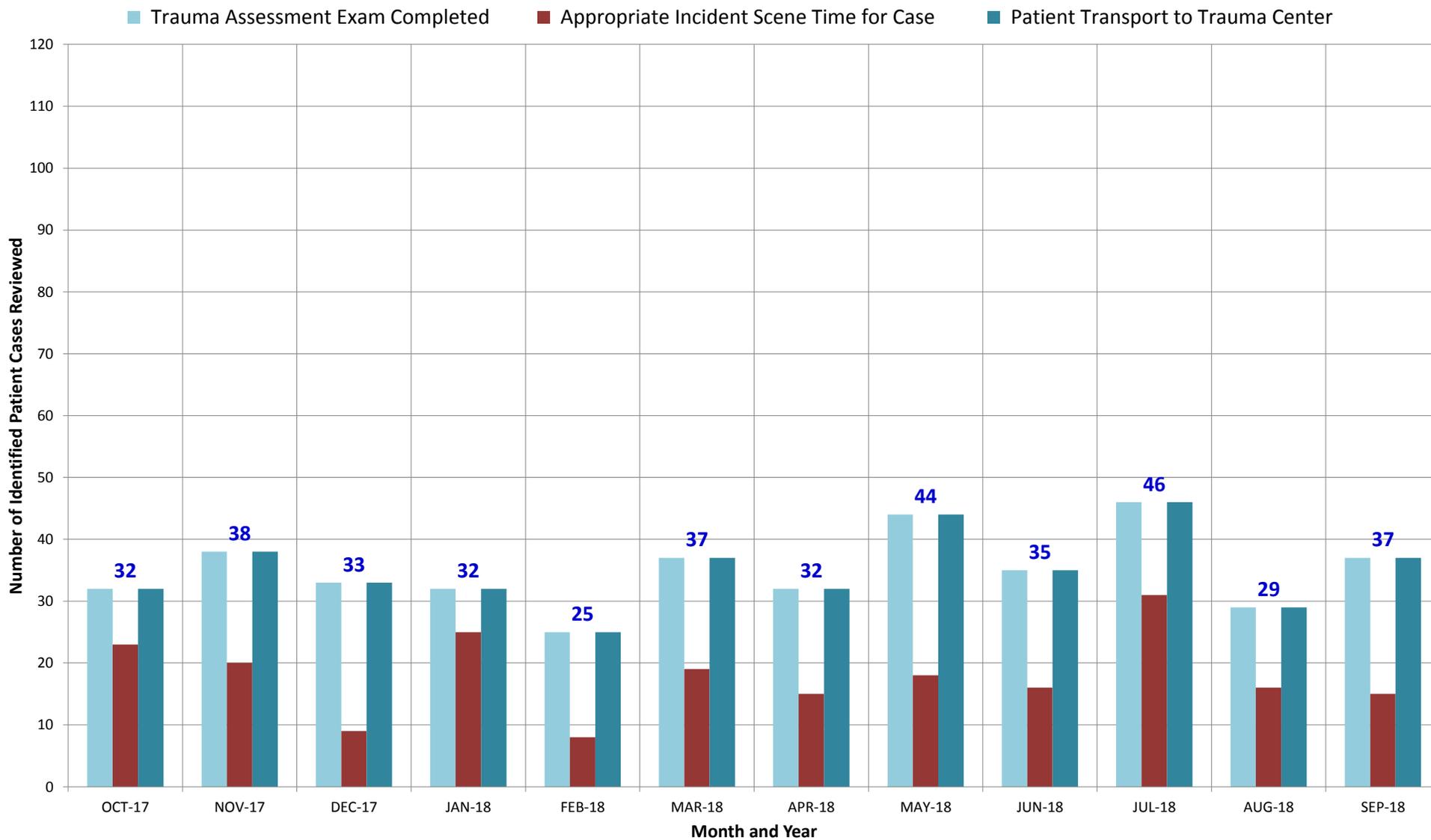
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EMS CQI Case Review: **STROKE** Patients (Element Completion Percentages)



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EMS CQI Case Review: **TRAUMA** Patients (Element Completion Counts)



DISTRICT OF COLUMBIA FIRE AND EMS DEPARTMENT

EMS CQI Case Review: **TRAUMA** Patients (Element Completion Percentages)

